

CLAIM LISTING:

1. (Previously presented) A charging device which charges based on map information without local infrastructure, the charging device comprising:
  - detecting means for detecting position information specifying the position of a moving body;
  - deciding means for determining a charge applicable area in predetermined map information and for determining a buffer area, which is defined by a first boundary line of a charge applicable area and a second boundary line around the first boundary line, located adjacent to the charge applicable area and an area other than the charge applicable area, and matching the map information with the position information, and deciding an entry state indicating whether or not the moving body has at least entered into one of the charge applicable area or the buffer area; and
  - generating means for generating charging information for the moving body based on a result of a decision by the deciding means, wherein, when a history of the entry state is one in which the moving body moves from the charge applicable area to the buffer area and then back to the same charge applicable area again, generating of charge information relating to an entry into the charge applicable area is prohibited in the generating means.
2. (Previously Presented) The charging device according to claim 1, wherein the generating means is provided with storage means in which toll data that is determined in advance and corresponds to the entry state is stored in advance, and the charge information is generated using toll data of the storage means.
3. (Previously Presented) The charging device according to claims 1 or 2, wherein the buffer area is located between the toll area and the non-toll area.
4. (Previously Presented) The charging device according to claim 1, wherein the charge applicable area is formed from at least a plurality of toll areas, and the buffer area is set between adjacent toll areas.
5. (Previously Presented) The charging device according to claim 4, wherein the plurality of toll areas contain toll areas that have different toll systems.

6. (Previously Presented) The charging device according to claim 5, wherein the buffer area is provided for each plurality of toll areas.

7. (Previously Presented) The charging device according to claim 1, wherein a toll for the buffer area is set based on a toll of one of adjacent areas.

8. (Previously Presented) The charging device according to claim 7, wherein a toll for the buffer area is set based on a toll of an area selected from a plurality of areas surrounding the buffer area.

9. (Cancelled)

10. (Previously Presented) The charging device according to claim 1, wherein the generating means generates charge information relating to tolls determined based on a distance traveled in the charge applicable area.

11. (Previously Presented) The charging device according to claim 1, wherein the generating means is provided with storage means for storing a distance traveled in the charge applicable area when the distance traveled bridges a boundary between adjacent areas, and charge information is generated based on the stored distance traveled.

12-32. (Cancelled)

33. (Previously Presented) A charging device which charges based on map information without local infrastructure, the charging device comprising:  
detecting means for detecting position information specifying the position of a moving body;

deciding means for determining a charge applicable area in predetermined map information and for determining a buffer area, which is defined by a first boundary line of a charge applicable area and a second boundary line around the first boundary line, located adjacent to the charge applicable area and an area other than the charge applicable area, and matching the map information with the position information, and deciding an entry state indicating whether or not the moving body has at least entered into one of the charge applicable area or the buffer area; and

generating means for generating charging information for the moving body based on a result of a decision by the deciding means, wherein, when a history of the entry state is one in which the moving body moves from the charge applicable area to the buffer area and then back to the same charge applicable area again, generating of charge information relating to an entry into the charge applicable area is prevented so as to prohibit double charging.